

NEW YEAR MINING AGAIN OPERATES

Ore Assaying \$48 in Gold and \$7.50 Silver is Being Taken Out.

Prescott, Ariz., Feb. 12.—Operations have been resumed at the New Year mine, Chihuahua district, under the direction of H. K. Behn, the owner. The old shaft, 218 feet deep, is being unwatered and is to be refitted. A sample of ore from the upper workings out a few inches of silver.

The New Year mine, the Little Jesse and made a creditable showing in the last days of 1915.

Old Creek in Production.
Ore is being produced at the Old Creek mine, in Crook canyon, which was closed down for several weeks because of adverse weather conditions. A new configuration has been installed and better headway in development is being made. An old quartz mine on the ground is being refitted and stamp will be dropping within a week.

C. E. Champlin this week shipped two carloads of ore from the Pittsburg mine, in the Castle Rock district, which he recently revived. In cleaning out the old workings, at a depth of 150 feet, and in opening new ground, Champlin has disclosed a large tonnage of copper ore running higher than any ever before produced by the Pittsburg.

Rebel Group Taken Over.

The Whistler Mining company has taken over the rebel group, near Zonia, and will begin operating at once. This property has lain idle for a number of years, though the rebel group ore bodies in sight. The Whistler company is planning to handle the ore by a special process.

NEW PROCESS TO CONCENTRATE MOLYBDENUM TRIED IN TUCSON

Tucson, Ariz., Feb. 12.—Experiments with a new process of concentrating molybdenum ore are being conducted by T. A. Jackson, Maxwell Milton and several other young Tucson mining men at a plant they have erected near the Standard Oil company's depot. An molybdenum ore is being sold at over \$2,000 a ton, the Tucson inventors have a fortune in their grasp if they succeed.

Robert O. Boykin is the first American to ship molybdenum concentrates abroad. He and his associates are working the tailings dump of the old Mammoth mine, 42 miles north of Tucson, for molybdenum and are shipping their products to France and England.

Molybdenum not only toughens steel but makes it capable of withstanding high temperatures without losing its temper.

When the Mammoth was worked molybdenum was a by-product. The Pedro river has washed away no less than 500,000 tons of the tailings, which run about 1-2 percent molybdenum. A 25 percent concentrate is made by a water concentration process which Boykin is keeping secret. He has been operating about a year.

The Helvetic, in the Santa Rita mountains, is another old Pima county mine which has taken on a new lease of life because of the molybdenum content of its ore. About \$20,000 worth of molybdenum ore has been shipped from the Helvetic in the last year.

CARLISLE MINE IS BEING UNWATERED AND RETIMBERED

Lordsburg, N. M., Feb. 12.—The Carlisle mine is being unwatered and the water has been lowered to the 400 foot level. It is expected to have the mine practically dry by the end of next week as two big pumps are now in use and the work is progressing rapidly.

Active mining operations are to start as soon as the retimbering can be replaced and the old workings cleaned out. The shipment of ore to the smelter is expected to start within the next 60 days. Forty men are at work at the old Carlisle mine and a number of teams employed freighting materials to the mine.

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Zemo, Cleveland. —Adv.

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YAVAPAI IS RICH IN TUNGSTEN ORE

Systematic Prospecting Discloses Valuable Deposits, Big Shipments Made.

BY WILLIAM F. DE WOLF.

Prescott, Ariz., Feb. 12.—Deposits of hubnerite and wolframite carrying a high percentage of tungsten are being developed along the pegmatite belts of the Eureka, Tip Top and Tule Creek districts. The discovery of these valuable ore bodies is of comparative recent origin and is the result of the systematic prospecting for tungsten-bearing deposits that is being carried on in all sections of Yavapai county. Shipments of high grade tungsten ore have been made to Pittsburgh and to Denver, where they met with a ready sale at from \$40 to \$50 per unit.

By reason of their high commercial value these shipments attract marked attention in mining and industrial circles. Particularly, as tungsten ore is being secured in this portion of Arizona under conditions which indicate a source of supply equal to that of the Boulder district of Colorado.

Results Keenly Expected.
The energizing of the tungsten mining industry of Yavapai county brought about by the conditions before mentioned has produced results in excess of the most sanguine expectations of the operators. This, in turn, has incited the prospectors to search more diligently for the mineral and has drawn them to the local field from all portions of the Southwest. Their numbers are increasing as the days pass and the short winter, characteristic of this section of Arizona, draws to a close. The spring and summer months will doubtless record large additions to the number of tungsten prospectors in the outlying areas of Yavapai county, as yet inaccessible because of the over-burden of snow.

Wood Blazed the Trail.

Howard Wood of Prescott about 15 months ago became convinced that the pegmatite (bull granite) areas of this county offered profitable possibilities in the way of tungsten ores. Since then he has devoted his time, energy and money to their development, and has achieved a degree of success which has strengthened his conviction in the worth and has encouraged others to engage in the work. Mr. Wood has furnished 70 or more prospectors with the necessary acids for making tungsten tests in the field. The results have thus far been satisfactory. Sufficiently so, at least, to warrant a thorough testing of the pegmatite areas.

Shipment Nets \$500,000.
Willie Connors made the first discovery of tungsten ore in Yavapai county in April, 1914, the scene of his strike being the Eureka district. The Connors property is one of a number in which Mr. Wood is financially interested. Development consists of a number of ledges that traverse the group of 15 claims. Hubnerite and wolframite prevail in all of the world lines, and on all of the claims, including a large placer acreage. The latter is being extensively worked and weather conditions will permit. In the meantime Connors is developing the tungsten ore, which is carrying 14.15 percent tungsten. A shipment, forwarded recently to Frank L. Carlisle of Pittsburgh, was valued at \$500,000. The ore netted \$500,000.

The Open Ground.

The pegmatite area of the Eureka district is extensive, and so far as prospecting is known, tungsten-bearing, a considerable acreage is as yet open to location. With the staking and developing of the latter other tungsten deposits of value will undoubtedly be discovered. This prediction is based upon the success attaching to previous operations. There are properties other than those owned by Connors and Wood, as hubnerite and wolframite ore carrying 10 percent tungsten, or better, have been opened at various points.

Are Sacking Tungsten Ore.

John Selas is mining and sacking tungsten ore on a group of claims adjoining the Connors locations, as likewise is Ann Hottel, Robert Robbins and Orville Bonarth are working yet another group and are sacking tungsten for shipment. Mark Ferguson is also mining commercial grade tungsten. Frank Williams recently sent a test shipment of tungsten to Denver. Returns have not yet been received. E. R. Temple of Boulder, Colo., is developing a group of tungsten claims with encouraging results.

20,000 Tons of Tungsten.

There are 20,000 tons of ore, estimated to carry 11-12 percent tungsten, on the dump of the Tip Top mine in the Tip Top district. The Tip Top is the heaviest producer of tungsten ore in Yavapai county. In former years it was one of the richest silver mines in Arizona. At that time a large tonnage which the operators classified as black-lake, which has recently been determined to be wolframite, was thrown over the dump as valueless. A much larger tonnage was left standing in the drifts and stopes. All of the tonnage in the mine workings and on dump is now commercially valuable as it is available for reduction at a cost much lower than would be entailed if the ore bodies had to be prospected and developed.

Tungsten Area Is Large.

The tungsten-bearing area extending from the Tule Creek district to Tip Top and beyond, is quite extensive. A con-

HIGGINGS MINE HAS REVERTED

Owners to Operate Warren District Property Which Had Been Leased.

Bisbee, Ariz., Feb. 12.—The Higgins mine, which has been operated by the Higgins Leasing company, has reverted to its owner and will be operated by a new management. J. J. Flanagan, formerly of the Calumet and Arizona smelter at Douglas, will take charge of the business end of the company and Mike Ryan, employed at the Higgins as foreman, will be superintendent.

It is understood the new management will undertake considerable development work in the shaft and work under the present tunnel, which has yielded large returns to the leasing company and the mine owners.

Considerable acreage is as yet open to location. The pegmatite appears as a centralized dike, with isolated outcrops which have no surface connection with the main body. Several old-time silver mines in this pegmatite belt are now being prospected for tungsten with gratifying results. In the Crown King section there is yet another pegmatite area that offers promising tungsten-yielding possibilities. All of these areas will doubtless be thoroughly prospected during the spring and summer months.

Coloradoans Strike Tungsten.

E. J. Trevano and J. C. McDonald, former mine operators in the Cripple Creek district, have opened a well-defined and solid streak of tungsten ore in the Tule Creek district. The portion of the deposit is five inches wide and is readily sorted to a high grade tungsten product. It is opened to a depth of 10 feet. Wolframite ore having an estimated value of \$45 per unit is being sacked for shipment. Nearby the Trevano-McDonald holdings, 324 Polts and Frank Morgan have opened commercially valuable tungsten on six claims. They are sacking ore that carries 60 percent tungsten. Jesse Davis and partner, owners of three claims half a mile north of the George Thompson holdings, have tungsten ore opened in two tunnels. A shipment will go forward to Pittsburgh the latter part of this month.

HUGE QUANTITY OF WATER PUMPED FROM OLD DOMINION

Globe, Ariz., Feb. 12.—Eleven million gallons of water a day are being pumped from the Old Dominion mine, making one of the largest pumping operations in the history of mining. The mine was flooded by the cutting of an underground stream about a year ago. Emergency pumps, installed at the mine are capable of handling 11,000,000 gallons a day. A flume was built in Pinal creek to carry the water 12,000 feet and discharge it below the mine.

OATMAN COMBINATION CO. TO PUSH OPERATIONS NOW

Phoenix, Ariz., Feb. 12.—San Francisco capitalists have purchased all the remaining treasury stock of the Oatman Combination Mining company, in which a number of Phoenix and Bisbee people are interested. The Oatman Combination owns some of the most promising property in the heart of the Oatman camp. Now that the company is fully financed, operations are to be pushed forward on a big scale.

RUSH OF PROSPECTORS IS ON TO RICH HILL PLACERS

Wickenburg, Ariz., Feb. 12.—Scores of prospectors are flocking into the Rich

IS AIDING WAR ORPHANS



MISS GLADYS HOLLINGSWORTH AND BELIEVED ORPHAN BABIES.

American families are adopting babies deserted or orphaned during the war with a benevolence that is described as contagious.

"Be a godmother for \$6 a month."

This is the slogan of the American girls' aid, which is conducting the work under the patronage of the American chamber of commerce in Paris.

The work of finding "godmothers" for homeless children was started by Miss Gladys Hollingsworth, who was in Paris with her sisters, Mrs. Gaston Pinto and Miss Elizabeth Hollingsworth at the beginning of the great war.

Their automobiles were among the first to be requisitioned by the government. The young women soon realized the need of immediate care for the thousands of children made destitute, and took the sick and destitute little ones into their home in Paris.

Miss Hollingsworth has been decorated by both the Serbian and the French governments for her splendid work on behalf of the babies.

Rich Hill field, now that water is abundant for feeding and painting, and many of them are said to be making big cleanups. One nugget worth over \$50 was recovered by a Mexican. The Rich Hill field is reputed to have yielded a million and a half dollars in gold dust.

COUSIN WILLIE - He Might Have Won the Widow! - BY OPPER



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Those who follow Horse racing say, "Always wager on a Horse that is Winning." Applying the same idea to Real Estate we say, "Buy where improvements are going on."

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SMELTER MEN BURNED WHEN SLAG SPASHES ON THEM

While dumping a load of slag at the El Paso smelter Friday afternoon at 4 o'clock, E. H. Lohorn, an engineer, living at 605 Ance street, and seven workmen were burned. Lohorn met the only serious injuries, being burned upon the arms, face, head and back.

He was carried to the smelter hospital where he is now under treatment. The burns upon the other seven men were slight and after the burns were dressed the men returned to work or went home according to the degree of their disfigurement.

Dr. L. G. Witherspoon treated the burned men and said Saturday that Lohorn would recover and that the other workmen were only slightly burned.

UNIVERSITY OF MICHIGAN ADOPTS MILITARY TRAINING

Ann Arbor, Mich., Feb. 12.—The board of regents of the University of Michigan has adopted a provision for establishing non-compulsory military service at the university. There will be a department of military instruction, presided over by a United States army officer.

BEST FOR LIVER, BOWELS, STOMACH, HEADACHE, COLDS

They live the liver and bowels and straighten you right up.

Don't be bilious, constipated, sick, with breath bad and stomach sour.



Tonight work! Take Cascarella and enjoy the nicest, gentlest liver and bowel cleansing you ever experienced. Wake up with your head clear, stomach sweet, breath right and feeling fine. Get rid of sick headache, biliousness, constipation, furred tongue, sour stomach, bad cold, clear your skin, brighten your eyes, quicken your step and feel like doing a full day's work. Cascarella is better than salts, pills or calomel because they don't shock the liver or gripe the bowels or cause inconvenience all the next day. Mothers should give Cascarella, sick, bilious, feverish children a whole Cascarella anytime as they can not injure the thirty feet of tender bowels.—Adv.

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Calomel is a dangerous drug. It is mercury and attacks your bones. Take a dose of many calomel today and you will feel weak, sick and nauseated tomorrow. Don't lose a day's work. Take a spoonful of Dodson's Liver Tonic instead and you will wake up feeling great. No more biliousness, constipation, sluggishness, headache, coated tongue or sour stomach. Your druggist says if you don't find Dodson's Liver Tonic acts better than horrible calomel your money is waiting for you.—Advertisement.

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